IN THE CLAIMS:

Claim 1 (Currently Amended): A multipolar integrated contact, comprising:

an arc proof component;

a conductive component;

a magnetic field generating component; and

a container having an open top, ~~and~~ a bottom and a center, wherein the arc proof component, the conductive component and the magnetic field generating component are set in the container, the conductive component passes through the center of the container and ~~substantially equally~~ divides the container into several parts along a direction from the top to the bottom; the magnetic field generating component comprises separate portions ~~is~~ isolated by the conductive component, each separate portion of the magnetic field generating component is combined with the conductive component and fills in one of the several parts within the container, and the arc proof component is on top of the combination of the magnetic field generating component and the conductive component.

Claim 2 (Currently Amended): The multipolar integrated contact, as in claim 1, ~~in which~~ wherein the conductive component ~~is set in the middle of the container and equally~~ divides the container into ~~at least~~ two substantially equal parts ~~from the top to the bottom of the container~~.

Claims 3-4 (canceled)

Claim 5 (Previous Presented): The multipolar integrated contact, as in claim 2, wherein a front direction section of the conductive component and a front direction section of the magnetic field generating component have a trapezium shape, and the conductive component's trapezium shape and magnetic field generating component's trapezium shape are mutually coordinated.

Claim 6 (Currently Amended): The multipolar integrated contact, as in claim ~~2~~ 1, wherein the container has a cylindrical inner sidewall and the conductive component and the magnetic field generating component are combined to form a cylindrical body conforming with the cylindrical inner sidewall of the container, wherein each separate portion of the magnetic field generating component comprises a plurality of cylindrical-shape layers with different diameters arranged substantially parallel with the cylindrical inner sidewall of the container, ~~is a multi-layer cylinder structure with different diameter~~ and ~~is insulated between layers, among them~~ at least one layer of the magnetic field generating component is a soft magnetic material layer ~~and the~~

~~conductive component is a multi-layer cylinder structure with different diameters, at the center of the conductive component multi-layer cylinder is a cylinder body inserted into a hole within the magnetic filed generating component~~.

Claims 7-9 (canceled)

Claim 1 0 (Currently Amended): The multipolar integrated contact, as in claim ~~7~~ 31, wherein a number of layers of the magnetic field generating component and is equal to a number of layers of the conductive component.

Claim 11 (Currently Amended): The multipolar integrated contact, as in claim ~~2~~ 1, wherein each separate portion of the magnetic field generating component comprises a plurality of layers stacked over each other from the bottom to the top of the container ~~is composed of at least one layer and the conductive component is composed of at least one layer~~.

Claim 12 (canceled)

Claim 13 (Currently Amended): The multipolar integrated contact, as in claim [[~~4~~]] 32, wherein a ~~the multi-layer cylinder~~ number of the layers in each separate portion of the magnetic field generating component equals to a number of the layers ~~and the multi-layer cylinder~~ of the conductive component ~~have the same number of layers~~.

Claim 14 (Previously Presented): The multipolar integrated contact, as in claim 1, wherein the container is a cup-like body made of stainless steel with a melting point higher than eleven hundred (1,100) degree Centigrade.

Claims 15-16 (canceled)

Claim 17 (Previously Presented): The multipolar integrated contact, as in claim 1, wherein the arc proof component is made from a mixture of copper powder and chromium powder and a ratio of the mixture of copper powder and chromium powder can be varied from 10:90 to 90:10.

Claims 18-20 (canceled)

Claim 21 (Previously Presented): The multipolar integrated contact, as in claim 1, wherein the arc proof component is made from a sheet or a block of copper chromium alloy.

Claims 22-23 (canceled)

Claim 24 (Currently Amended): The multipolar integrated contact, as in claim 1, wherein the conductive component is made of copper and a material state of the conductive component is selected from the group consisting of powder, sheet, bar, tube, and block.

Claims 25-27 (canceled)

Claim 28 (Currently Amended): The multipolar integrated contact, as in claim ~~[[4]]~~ 6, wherein the soft magnetic material is electrical iron and a material state of the soft magnetic material is selected from the group consisting of powder, sheet, bar, tube, and block.

Claims 29 (canceled)

Claim 30 (New): The multipolar integrated contact, as in claim 1, wherein the conductive component divides the container into three substantially equal parts.

Claim 31 (New): The multipolar integrated contact, as in claim 6, wherein the conductive component comprises a plurality of cylindrical-shape layers with different diameters arranged substantially parallel with the cylindrical inner sidewall of the container.

Claim 32 (New): The multipolar integrated contact, as in claim 11, wherein the conductive component comprises a plurality of layers stacked over each other from the bottom to the top of the container.

Claim 33 (New): The multipolar integrated contact, as in claim 1, wherein a cross sectional area of the conductive component decreases from the bottom to the top of the container, and a cross sectional area of the magnetic field generating component increases from the bottom to the top of the container.

Claim 34 (New): The multipolar integrated contact, as in claim 1, wherein the container has a cylindrical inner sidewall, the conductive component and the magnetic field generating component are combined to form a cylindrical body with a diameter slightly smaller than a diameter of the cylindrical inner sidewall of the container, so that the cylindrical body is well fitted with the cylindrical inner sidewall, and wherein the conductive component passes through a central axis of the cylindrical inner sidewall from the top to the bottom of the container

Claim 35 (New): A multipolar integrated contact, comprising:

an arc proof component;

a conductive component;

a magnetic field generating component; and

a container having a cylindrical inner sidewall, wherein the conductive component and the magnetic field generating component are set in the container and combined to form a cylindrical body conforming with the cylindrical inner sidewall of the container, the conductive component passes through a central axis of the cylindrical body and divides the magnetic field

generating component into isolated and substantially equal parts along the direction of the central axis from a top to a bottom of the cylindrical body, the arc proof component is on top of the cylindrical body.

Claim 36 (New): The multipolar integrated contact, as in claim 35, wherein a cross sectional area of the conductive component in the cylindrical body decreases from the bottom to the top of the cylindrical body, and a cross sectional area of the magnetic field generating component in the cylindrical body increases from the bottom to the top of the cylindrical body.

Claim 37 (New): The multipolar integrated contact, as in claim 35, wherein a diameter of the cylindrical body formed by the conductive component and the magnetic field generating component is slightly smaller than a diameter of the cylindrical inner sidewall of the container, so that the cylindrical body is well fitted with the cylindrical inner sidewall.

Claim 38 (New): A multipolar integrated contact, comprising:

an arc proof component;

a conductive component;

a magnetic field generating component; and

a container having an open top, a bottom, and a cylindrical inner sidewall, wherein the conductive component and the magnetic field generating component are set in the container and combined to form a cylindrical body with an axial through hole, the conductive component comprises at least two separate equal pieces with each piece fully extending from a bottom to a top of the cylindrical body, the magnetic field generating component comprises at least two separate equal pieces with each piece fully extending from the bottom to the top of the cylindrical body, and each piece of the magnetic field generating component are isolated by the conductive component, the arc proof component is on top of the cylindrical body; and

wherein a cross sectional area of the conductive component in the cylindrical body decreases from the bottom to the top of the cylindrical body, and a cross sectional area of the magnetic field generating component in the cylindrical body increases from the bottom to the top of the cylindrical body.